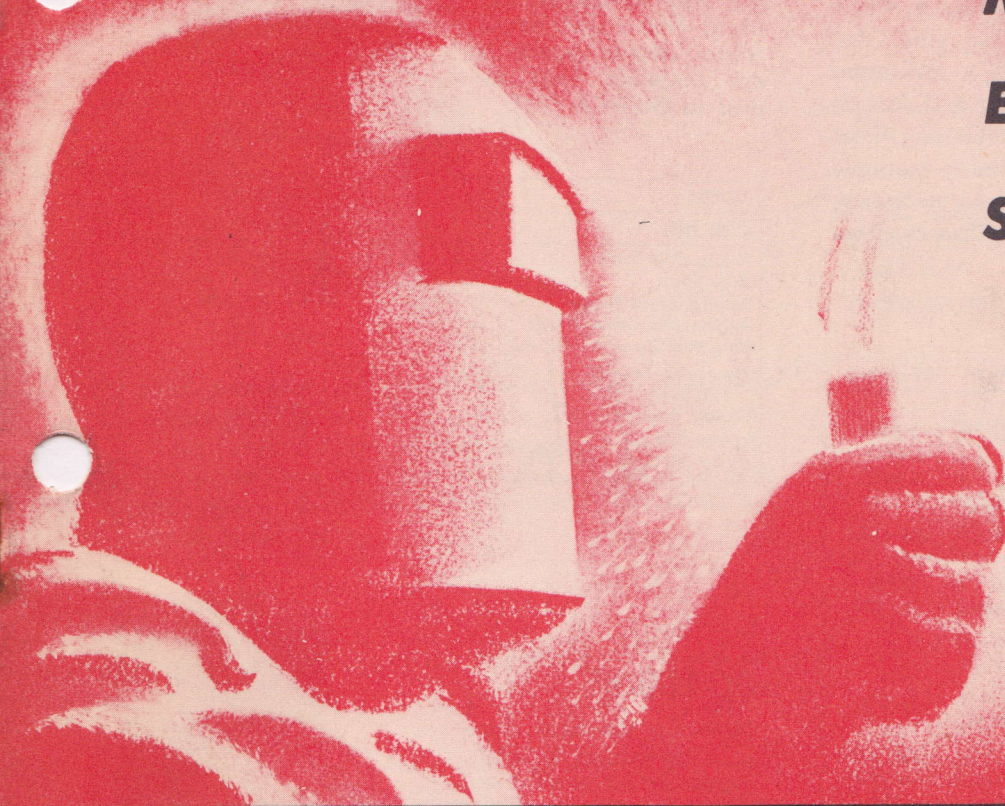


GENERAL CATALOG OF **LINCOLN ARC WELDING EQUIPMENT**

MACHINES

ELECTRODES

SUPPLIES



UNITED WELDING *Supply* COMPANY

2510 South Main Street, Los Angeles 7, California
Richmond 7-2479

"LINCWELDERS" FOR



180 and 250 AMP. TRANSFORMER WELDERS

AC-180-K AC-250-K

Here are the most versatile AC welders for a wide range of welding jobs. "Arc Booster" gives a maximum ease of striking and instant penetration at the start of the weld. Built for single phase power. Wheels mounted inside case. Ideal for repairing and building machinery and for hardsurfacing. Approved by Underwriters' Laboratories. Details in Bulletins 1316C and 1331.

SPECIFICATIONS

MODEL	AC-180-K	AC-180-T	AC-250-K
TYPE NO.			
60 Cycle	S-7192	S-8432	S-8443
60 Cycle—Condenser	—	—	S-8442
50 Cycle	—	—	S-8445
50 Cycle—Condenser	—	—	S-8444
RATING	180 AMPS AT 25 VOLTS (LIMITED INPUT)		250 AMPS AT 30 VOLTS
DUTY CYCLE	20%	20%	30%
CURRENT RANGE	20 - 180	20 - 180	30 - 300
MAXIMUM OPEN CIRCUIT VOLTAGE	52	61	62
INPUT POWER:			
CYCLES	60	60	60 or 50
PHASE	1	1	1
VOLTAGE	230	230	220, 440 or 550*
WEIGHT, NET	196	180	319

*Specify when ordering



180 AMP. TRANSFORMER WELDER

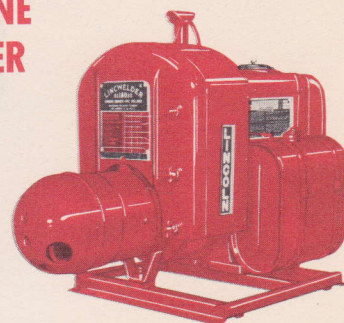
AC-180-T

A rugged, low price AC farm welder for handling a host of farm repair and construction jobs. Taps provide 24 fine increments in welding current for quality work on thin sheets or 1/4" thickness and heavier. Approved by Underwriters' Laboratories. Details in Bulletin 1325.

180 AMP. AIR-COOLED, ENGINE DRIVEN DC WELDER

DC-180-AS

Compact, light in weight for easy portability on a pick-up truck for repairing and hardsurfacing. Ideal for rural areas where electric power is not available. Full details in Bulletin 1317.



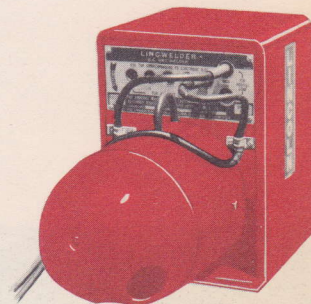
SPECIFICATIONS

MODEL	DC-180-AS
TYPE NO.	S-7072
Rating at 25 Volts	180 Amperes
Duty Cycle	20%
Rated Current Range	20-220 Amperes
Engine, Wisconsin, 2 Cyl.	TF
Bore and Stroke	3 1/4" x 3 1/4"
Operating Speeds:	
Full Load	2200 RPM
High idle	2400 RPM
Low idle	1250 RPM
Horse Power at 2200 RPM	13
Weight, Net, (Approximate)	520 lbs.

180 AMP. BELT DRIVEN DC WELDER

DC-180-BT

Now for the first time ... a top quality welding generator for tractor attachment. Can be powered by tractor take-off or driven by vee belts. Compact and portable... mounts easily on tractor, on 2 wheel trailer or skids. See Bulletin 1319.



SPECIFICATIONS

MODEL	DC-180-BT
TYPE NO.	S-6096
Open circuit voltage	52 volts
Rating at 25 volts	180 Amperes
Duty Cycle	20%
Current Range	55-205 Amperes
Operating Speed	2400 RPM
Rotation	Clockwise, facing driving end
DRIVING POWER REQUIRED:	
For Electric Motor, net	9 H.P.
For Engine, net	13 H.P.
Weight, Net (Approximate)	230 lbs.
Shipping	255 lbs.

FARM AND SHOP USE

180 AND 250 AMP. DC WELDERS

WITH DUAL CONTINUOUS CONTROL



DC-180-MK

DC-250-MK

Ideal AC motor driven DC welder for the small shop with a wide variety of jobs to do. Has all the features of the larger Lincoln welders yet sells at an amazingly low price for a welder of this size. Welds all metals and alloys. Available either portable or stationary. See Bulletin 1332.

SPECIFICATIONS

MODEL	DC-180-MK	DC-250-MK	DC-250-MK (Aircraft)
TYPE NO. 60 cycle	S-7073	S-6097	S-6098
50 cycle	S-7076	S-6099	S-9627
Rating at 30 volts	180 amperes	250 amperes	250 amperes
Duty Cycle	30%	30%	30%
Rated Current Range	30-200	40-250	10-250
INPUT POWER			
Phase		2 or 3*	
Voltage		220, 440, or 550*	
Weight, net (approx.)	320 lbs.	340 lbs.	340 lbs.

*Specify when ordering.

LINCONTROL

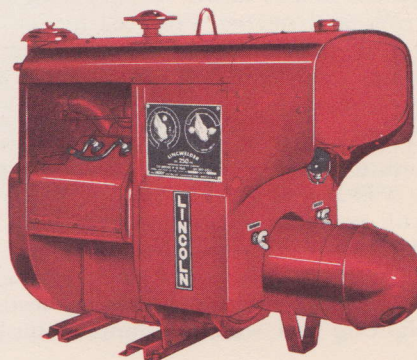


Optional current control for use with aircraft model DC-250-MK. Enables operator to adjust current while welding. Excellent for use when welding thin sheet or tubing. Control straps to foot and plugs into welder.

250 AMP. AIR-COOLED ENGINE DRIVEN DC WELDER

WITH DUAL CONTROL

DC-250-AS



Light, compact welder for fast, speedy welding anywhere. Excellent for field repairs and light construction work. Can be mounted on pick-up truck or on undercarriage. Low priced. Full details in Bulletin 1334.

SPECIFICATIONS

MODEL	DC-250-AS
TYPE NO.	S-9625
Rating at 30 Volts	250 Amperes
Duty Cycle	30%
Rated Current Range	30-250 Amperes
Engine, Wisconsin 4 Cyl.	VF-4
Bore and Stroke	3 1/4" x 3 1/4"
Operating Speeds	
Full load	2200 RPM
Maximum idle	2300 RPM
Normal idle	2100 RPM
Low idle	1100 RPM
Horse Power at 2200 RPM	23
Weight, Approximate, Net	660 lbs.



DUAL CONTINUOUS CONTROL provides wide variety of both arc type and arc intensity to suit the exact requirements of any welding job. Extensive use of sheet metal in manufacturing and repair is made easier with fine adjustments obtainable with Lincontrol.

LINCOLN "WELDANPOWER"

FOR EASY WELDING FOR EMERGENCY POWER

AS A WELDER. WELDANPOWER supplies 200 amps AC welding current for fast, easy welding, hard-surfacing, soldering, brazing, torch heating and cutting. With WELDANPOWER you speed repairs when equipment breaks down . . . build new equipment to save time and money. Powered by its own air-cooled gasoline engine, WELDANPOWER operates with little attention. Taps are clearly indicated for welding power.

AS AN AC POWER UNIT. WELDANPOWER supplies 5 KVA of 60 cycle single phase AC power for intermittent standby service, 4 KVA for continuous duty. WELDANPOWER can supply both 230 volt and 115 volt power at the same time. Has accurate voltage regulation for all essential power needs like refrigeration, power tools, household appliances, water pumps, radios, television sets and lighting needs. Can be used for lighting and welding simultaneously.

SPECIFICATIONS

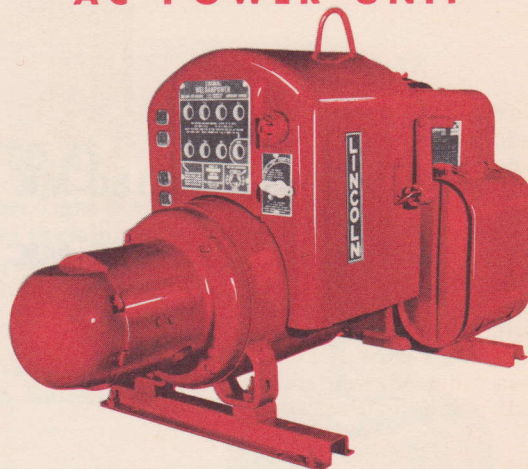
RATINGS:

Welder:	Current at 25v	200 amps
	Duty Cycle	50%
	RPM full load	2025
	idle	2100
	Frequency	70 cy.
Power Supply:	Continuous Rating @ 230/115v	4 KVA
		18.2 amp.
	Intermittent Rating @ 230/115v	5 KVA
		22.8 amps
	RPM full load	1800
	idle	1925
	Frequency	60 cy.

Combination

★ 200 AMP WELDER

★ 4 KVA STANDBY
AC POWER UNIT



WELDANPOWER'S engine is a standard Wisconsin air-cooled, 4-cycle, model TF engine with modified flywheel and throttle control.

Stroke	3 1/4"
Piston Replacement	53.9
Horsepower at 2000 rpm	12
Spark plug size	18 mm
Bore	3 1/4"
Oil Capacity	3 1/2 qts.
Fuel tank Capacity	3 1/2 gals.
Rotation	Counter clockwise from welder end.

UNDERCARRIAGES

TYPE 1. Handle spring loaded to stay in up position. Solid steel wheels mounted on roller bearings. Rear 12" diameter, front 9" diameter. Overall width — 28 inches.

Used With Welders:

SHIELD-ARC, MOTOR DRIVEN:

SAE-200; SAE-300; SAE-400; SAE-600; SAE-900

TYPE 1A. Same as Type 1 except has solid rubber treads molded to steel wheel rims.

TYPE 2. Has three steel wheels, 4" diameter. Handle rests in either up or down position. Overall width — 21 inches.

Used With Welders:

LINCWELDER:

DC-180-MK DC-250-MK

TYPE 3. Same as Type 2. Overall width — 29 inches.

Used With Welders:

FLEETWELDER: AC-300, AC-400, AC-500

INERTARC: IA-250

TYPE 14P. Four wheeled, pneumatic tires. Spring mounted. Low underslung construction with wide treads for road towing. Roller bearings and Alemite lubrication. Tires 16" x 5.50" four-ply. Shipped "knocked down". Overall width — 75 inches.

Used With Welders:

SHIELD-ARC, ENGINE DRIVEN:

SAE-300, SAE-400, SAE-600

TYPE 17P. Two wheeled, pneumatic tires. The low, underslung construction, narrow 31" tread and method of balancing makes this very easy to handle. Has 16" x 5.50" four-ply tires and a combination tow bar and standing support. Intended for shop or yard use; suitable for low speed road towing. Shipped "knocked down". Overall width: 40 inches.

Used With Welders:

SHIELD-ARC, MOTOR DRIVEN: SAE-200-900

SHIELD-ARC, ENGINE DRIVEN: SA-200

LINCWELDER: DC-180-AS, DC-250-AS

TYPE 18P. Two wheeled, pneumatic tires. Heavy construction, spring mounting and wide tread make it ideal for road towing. 16" x 6.50" four-ply tires. Shipped "knocked down". Overall width: 72 inches.

Used With Welders:

SHIELD-ARC, ENGINE DRIVEN:

SAE-300, SAE-400, SAE-600

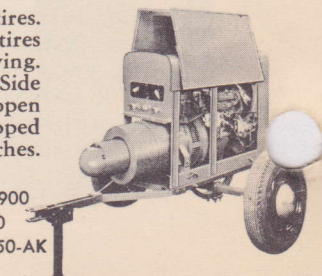
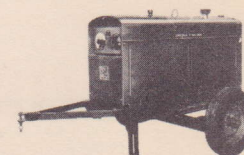
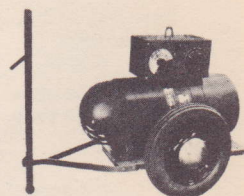
TYPE 19P. Two wheeled, pneumatic tires. Disc wheels with 16" x 5.50" 4-ply tires makes this an ideal unit for road towing. Spring mounted, it has a 62" tread. Side panels on SA-200 can be swung open without interference with wheels. Shipped "knocked down". Overall width: 71 inches.

Used With Welders:

SHIELD-ARC, MOTOR DRIVEN: SAE-200-900

SHIELD-ARC, ENGINE DRIVEN: SA-200

LINCWELDER: DC-180-AS, DC-250-AS, DC-350-AK

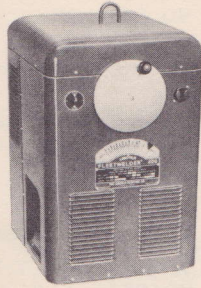


LINCOLN INDUSTRIAL AC and DC WELDERS

"FLEETWELDER"

300 AMP . . . 400 AMP . . .
500 AMP

New, high standard for AC welding. Far surpasses all conventional types of AC welders for ease of welding, quality of welds, range of output, economy of operation, safety and dependability. Lincoln pioneered "Arc Booster" with job selector handles different types of light and heavy welding work. Ideal for tack welding and plug welding. Draws far less current from the line than other AC welders. Available stationary or portable. Full details in Bulletins 1314 and 1344.

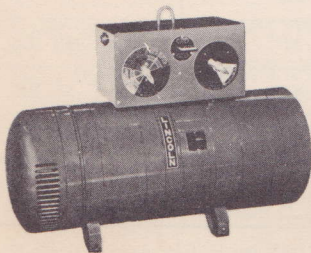


"SHIELD-ARC" SAE

200 - 300 - 400 - 600 - 900 AMP.

DC WELDER

WITH DUAL CONTINUOUS CONTROL



The Lincoln "Shield-Arc" welder is the standard for the highest quality in arc welders the world over.

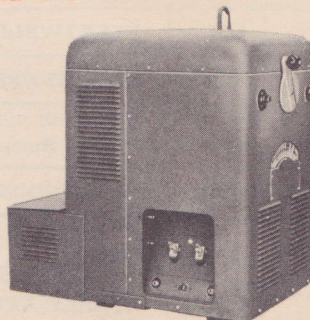
Dual Continuous Control gives exactly the correct type of arc as well as the proper arc intensity for any job.

"Shield-Arc's" great overload capacity gives extra performance, long maintenance-free life, and protection against burn out. Details in Bulletin 1302.

INERTARC

for quality welding of aluminum,
stainless and bronze

Latest advancements in faster, easier lower cost welding with inert gases are embodied in the new Lincoln "Inertarc". Unique Lincoln design eliminates interferences with radio communication. Has full F.C.C. approval. Arc is amazingly simple to start. Completely safe to the operator. See Bulletin 1329.

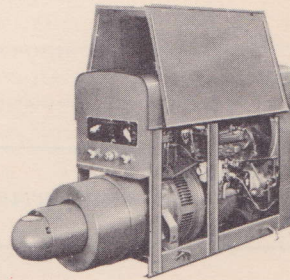


200 AMP.

LIQUID COOLED GASOLINE ENGINE DRIVEN

"SHIELD - ARC" SA

With Dual Control



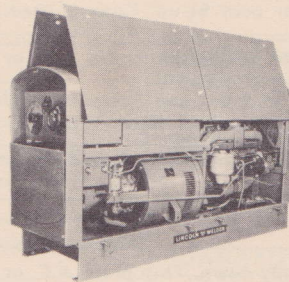
A popular size DC welder because of its broad range and its capacity for sustained welding on pipe line, structural, and maintenance work. Has patented idling device to save fuel, oil and engine wear. 110 volt DC auxiliary power is standard. Details in Bulletin 1337.

300, 400, 600 AMP.

LIQUID COOLED GASOLINE ENGINE DRIVEN

"SHIELD - ARC" SAE

With Dual Continuous Control



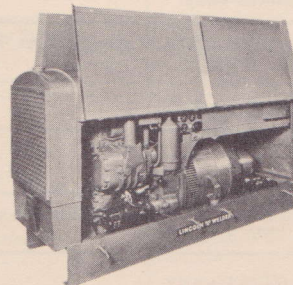
More engine driven "Shield-Arcs" are used for pipe lines, structural and maintenance welding than all other makes combined. Patented idling device maintains accurate engine speed control...saves fuel and oil as much as 35%. 110 volt DC auxiliary power is standard. Two wheel or four wheel undercarriage available. Details in Bulletin 1337.

300 AMP.

LIQUID COOLED DIESEL ENGINE DRIVEN

"SHIELD - ARC" SAE

With Dual Continuous Control



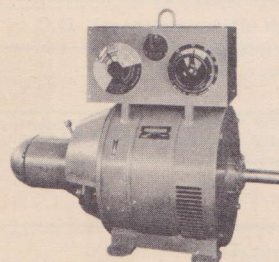
The Diesel Engine driven "Shield-Arc" welder combines the world's best arc welder with an outstandingly efficient engine to give 50% lower operating cost with top Lincoln quality. 115 volt DC auxiliary power is standard. Details in Bulletin 1337.

200, 300, 400, 600 AMP.

BELT DRIVEN WELDING GENERATOR

"SHIELD - ARC" SAE

With Dual Continuous Control



This bare generator is designed so the customer can easily build his own engine driven welder. Compact and entirely self-contained. Needs no added equipment other than a power source. Has the same quality and cost saving features as the motor and engine driven "Shield-Arc" welders. See Bulletin 1307.

LINCOLN ELECTRODES

for every

essential welding need

THREE GREEN
DOTS



MEAN LINCOLN

THE MOST RESPECTED NAME
IN WELDING

SPECIFIC TYPE OF WORK AND PROPERTIES	A.W.S. CLASS	THE ELECTRODE	CONTAINER SIZE
MILD STEEL WITH HEAVY COATED ELECTRODES (See Bulletin 462)			
All positions. D.C. Deep penetration. Flat shaped bead.	E6010	"FLEETWELD 5"	50 lbs.
High speed flat and horiz. fillets and flat butts. Excellent appearance. Self cleaning. AC or DC	E6012	"JETWELD 1"	50 lbs.
All positions. D.C. or A.C. For poor fit-up. Convex bead.	E6012	"FLEETWELD 7"	50 lbs.
Single pass, horizontal flat fillet, production welds. A.C. or D.C.	E6012	"FLEETWELD 72"	50 lbs.
High speed flat groove welds and flat and horiz. fillets. Excellent appearance, easy cleaning. AC or DC. X-ray quality.	E6020	"JETWELD 2"	50 lbs.
Single pass, deep penetration, horizontal-flat fillets. Flat butt welds. A.C. or D.C.	E6020	"FLEETWELD 11"	50 lbs.
All positions. A.C. or D.C.	E6011	"FLEETWELD 35"	50 lbs.
All positions, especially vertically down. Thin plate. A.C. or D.C.	E6013	"FLEETWELD 37"	50 lbs.
All positions. Easy operation and slag removal. A.C. or D.C.	E6013	"FLEETWELD 47"	50 lbs.
All positions. A.C. or D.C. For easy operation. Minimum slag.	E6011	"FLEETWELD 180"	50 lbs.
SHEET STEEL (See Bulletin 462)			
All positions. Edge and corner welds. 16 to 22 gauge sheet. D. C. Flat bead.	E6010	"LIGHTWELD"	50 lbs.
All positions. For poor fit-up. D.C. or A.C.	E6013	"PLANEWELD 2"	$\frac{3}{64}$ " - 25 lbs. $\frac{3}{32}$ " - 50 lbs.
MILD STEEL, LOW-ALLOY HIGH-TENSILE STEEL, HARD-TO-WELD STEELS (See Bulletin 462)			
General purpose on steels with high currents and on steels with poor weldability.	E6016 E7016	"SHIELD-ARC LH-70"	50 lbs.
LOW-ALLOY HI-TENSILE STEEL (See Bulletin 462)			
All positions. High strength. D.C.	E7010	"SHIELD-ARC 85"	50 lbs.
Flat position. Deep-groove joints. Fillets. High strength. D.C. or A.C.	E7020	"FLEETWELD 11-HT"	50 lbs.
All positions. Exceptionally high ultimate strength. D.C.	E10010	"SHIELD-ARC 100"	50 lbs.
CHROME-MOLY STEEL, HIGH STRENGTH FERRITIC STEELS (See Bulletin 462)			
Airplane Parts, .120" thickness up. Similar to SAE 4130 and X4130	E10013	"PLANEWELD No. 1"	50 lbs.
MILD STEEL WITH LIGHT COATED ELECTRODES (See Bulletin 462)			
Washed electrode for all positions. D.C.	E4510	"STABLE-ARC"	50 lbs.
Brazing sheet metal with carbon arc or A.C. arc torch		"FLEETBRAZE"	1 lb.

LINCOLN ELECTRODES

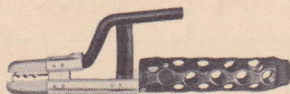
for every essential welding need

SPECIFIC TYPE OF WORK AND PROPERTIES OF WELD METAL	THE ELECTRODE	CONTAINER SIZE
STAINLESS STEEL (See Bulletin 463)		
Welding 18-8 and Surfacing. Corrosion-resisting. A.W.S. E308-15.	"STAINWELD A5"	For sizes $\frac{3}{32}$ " and smaller - 25 lbs.
Welding 18-8 and Surfacing. Corrosion-resisting. A.W.S. E347-15.	"STAINWELD A5-Cb"	
Welding 18-8 and Surfacing. Corrosion-resisting. A.W.S. E308-16.	"STAINWELD A-7"	
Welding 18-8 and Surfacing. Corrosion-resisting. A.W.S. E347-16.	"STAINWELD A7-Cb"	
Welding 25-12 Type 309 and Surfacing. Heat-resisting same as 25-12 stainless. Corrosion-resisting.	"STAINWELD B-Cb"	For sizes $\frac{1}{8}$ " and larger 50 lbs.
Welding 18-8 SMO Type 316 and Surfacing. High resistance to sulphide corrosion.	"STAINWELD C-Cb"	
Welding 25-20 Type 310 and Surfacing. Heat-resisting. Corrosion-resisting. A.W.S. E310-15.	"STAINWELD D"	
HARD SURFACING FOR ALL REQUIREMENTS (See Bulletin 466)		
For Hard Surfacing to Resist Extremely Severe Abrasion. Tungsten carbide. "C" has coarse particles; "F", fine particles.	"TUNGWELD C" "TUNGWELD F"	5 lbs.
For Building Up High Manganese Steel to Resist Moderate Abrasion and Extremely Severe Impact. (Coated) Austenitic.	"MANGANWELD A"	50 lbs.
For Building Up High Manganese Steel to Resist Moderate Abrasion and Extremely Severe Impact. (Tube) Austenitic.	"MANGANWELD B"	50 lbs.
For Building up High Manganese Steel to Resist Moderate Abrasion and Extremely Severe Impact. (Bare) Austenitic.	"MANGANWELD C"	50 lbs.
For Building Up Worn Steel Parts to Resist Moderate Impact and Light Abrasion. Not Machinable. 20-45 Rockwell C.	"HARDWELD 100"	50 lbs.
For Building Up Worn Steel Parts to Resist Moderate Impact and Light Abrasion. Machinable. 20-35 Rockwell C.	"HARDWELD 50"	50 lbs.
For Building Up New and Worn Steel Parts to Resist Rolling or Sliding Abrasion. Air Hardening. 40-50 Rockwell C.	"WEARWELD"	50 lbs.
For Building Up New and Worn Parts to Resist Severe Impact and Moderately Severe Abrasion on Steel and Manganese Steel. Semi-Austenitic. 30-64 Rockwell C. Work Hardening.	"ABRASOWELD"	50 lbs.
For Hard Surfacing with Carbon Arc or Arc Torch to Resist Severe Abrasion. Air Hardening 54-63 Rockwell C.	"SURFACEWELD (Powder)"	1 lb.
For Hard Surfacing New and Worn Parts to Resist Severe Abrasion and Moderate Impact. 40-58 Rockwell C.	"FACEWELD No. 1"	10 lbs.
For Hard Surfacing New and Worn Parts to Resist Severe Abrasion. 45-64 Rockwell C.	"FACEWELD No. 12"	10 lbs.
Produces a Tool and Die Deposit. High Speed Tool Steel. 58-65 Rockwell C.	"TOOLWELD A&O"	10 lbs.
For making tool steel deposits of the Air and Oil Quench Type. 58-65 Rockwell C.	"TOOLWELD 60"	10 lbs.
CAST IRON (See Bulletin 465)		
General Purpose. Somewhat machinable. Stronger than cast iron.	"FERROWELD"	50 lbs.
General Purpose. Machining Errors, Defects. Readily machinable. Non-ferrous alloy.	"SOFTWELD"	10 or 50 lbs.
NON FERROUS (See Bulletin 464)		
Welding aluminum sheets, castings or other forms. Dense, strong. Can be polished.	"ALUMINWELD"	10 lbs.
General purpose on bronze, brass, copper. True phosphor bronze weld.	"AERISWELD"	10 or 50 lbs.

WELDING ACCESSORIES

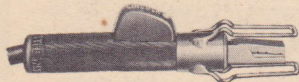
ELECTRODE HOLDERS

COOLTONG — Actual field tests show COOLTONG welds cooler than any other holder of similar capacity. Outlasts comparative holders. Its heavy, highest conductivity pure copper current carrying bar is reinforced with steel. Nose is insulated with laminated glass plastic reinforced with copper core. The copper core prevents concentration of heat in the nose. Jaws are Mallory 3 Metal, non-spatter type. The perforated handle is unbreakable. Perfectly balanced, feels lighter, more comfortable, less bulky. Perforated handle is easier to hold for welding in any position. Rated 400 amps. for 1/8" to 5/16" electrodes.



Type LJ-1 Insulated Holder — Small size, light weight, insulated electrode holder perfectly balanced for easier welding in all positions, in corners and other confined areas. The "LJ-1" combines the advantages of both tong and hole type holders by providing strong "Lock-Jaw" electrode grip, giving nine times the gripping power of coil springs, yet released by easy thumb pressure.

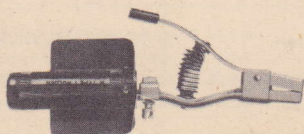
Rated 250 amperes. Weight only 16 ounces. For electrode sizes 1/16" to 3/16" inclusive.



Type INS Insulated Holder — One of the most popular holders on the market. Specially designed for users' comfort and exceptional ease of handling in close quarters.

Capacity 300 amps. Weight only 22 ounces. For electrode sizes 3/32" to 1/4" inclusive.

Type HT Holder — a heavy duty holder having great durability — yet remarkably light in weight (only 24 oz.), cool and easy to handle. Designed for welding at high amperages with the larger size of electrodes. Jaws are faced with Mallory No. 3 Metal — the same special metal used for spot welder electrode tips, which provides greatest conductivity of current and maximum wear resistance under high heat. Electrodes in sizes 3/32" to 3/8" inclusive can be used with the HT holder. Capacity 500 amps.



Type T Holder — Type T Holder is similar to Type HT holder and accommodates any size of electrode up to and including 1/4". Capacity 300 amps. Weighs only 18 ozs.

GROUND CLAMPS



Type GC-300 — Light weight ground clamp for making quick, positive connections with the work. Durable primed steel frame with "Lincology" contacts. Strong spring and "three-point" contact insure good grip on all shapes of work quickly and easily. No bothersome screwing and unscrewing.

Capacity 300 amperes; jaw spread 2 3/4".



Type GC-500 — High quality, heavy duty industrial ground clamp. Each jaw is connected independently to the ground cable, assuring good electrical connection.

Capacity 500 amperes; jaw spread 2 1/2".

LINCOLN ARC TORCHES



The Arc Torch is for use with AC welders for welding light gauge metal, brazing, pre-heating metals prior to bending or forging, hardsurfacing or soldering.

Easy to operate . . . the Lincoln Arc Torches are provided with a unique thumb operated carbon setting control, making it a simple matter to adjust or maintain arc length while welding.

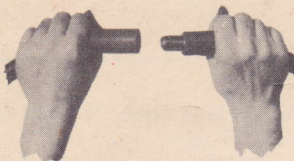
Medium Duty 20 to 120 Amps.
Light Duty 15 to 50 Amps.

LINCOLN WELDING CABLE

Lincolnductor Cable — Special insulating materials, developed for welding cable service, provide unusual flexure, durability as well as remarkable resistance to oil and water. In spite of its many premium-quality features, "Lincolnductor" sells at a remarkably low price.

Stable-Arc Cable — Where extra flexibility, longer life, and severe service requirements are determining factors, rather than initial purchase cost, Lincoln "Stable-Arc" is preferred. Its natural rubber casing insures maximum flexibility. "Stable-Arc" possesses exceptional toughness and durability to withstand accidental abuse from severe mechanical shock, impact and abrasion.

QUICK DETACHABLE CONNECTORS



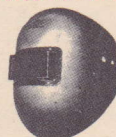
Improved jack and plug type of connector which locks in position and cannot accidentally be pulled apart or work loose. Provides quickest method of connecting cables. Plug is inserted in jack and a twist of the wrist locks the connection. To disconnect cable, the procedure is reversed. Fibre sleeves afford complete insulation and protection from grounding. Available in sizes to fit all sizes of welding cable.

CABLE LUGS



For connecting either the ground or electrode cable to switchboard or control box, a lug is required. Available for all sizes of cable, either attached to cable or separate.

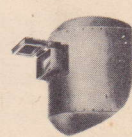
HEAD SHIELDS



COMFORT-SHIELD



LPH



LPCFF

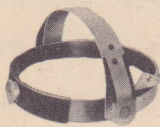
COMFORT-SHIELD — New Lincoln molded fibre headshield has permanently pliable head band that fits like a hat. Can be put on the head with one hand. Adjustable stops inside eliminate need for chin strap. Takes 2" x 4 1/4" lens.

LPH — A leakproof head shield, light and well ventilated for user's comfort. Its sides are brought well back and close to the head preventing flashes of other arcs. Ample room in this shield so that user can wear eye-glasses or spectacles without interference. Uses standard size (2" x 4 1/4") lens and glass.

FMH — This is the drum type head shield which is preferred by some operators. A well constructed durable type of shield with metal frame for holding lens and glasses projecting slightly from front of shield.

LPSFF and LPCFF — Leakproof head shields with flipper front (lens holder), especially desirable for working in close quarters. Headgear easily adjustable by ratchet thumb screw. Use standard lens and glass. In two types: LPSFF with straight front and LPCFF with curved front under chin.

HEADGEAR



Head Gear. Left: Type No. 2. By turning nut or ratchet wheel in rear, they are readily adjustable to fit the head.

Two types are available. No. 2 is an adjustable head gear for Types LPH and FMH shields. No. 4 is an adjustable head gear for Types LPSFF and LPCFF shields.

FACE SHIELD



Type LPF — A square, pan-type face shield which has been very popular for many years. Its leakproof construction affords the most complete protection available with this type of shield. Glass is cushioned in metal frame so that breakage in service is practically eliminated. Accommodates standard size (2" x 4 1/4") glass and lens.

WELDING LENSES

Lincoln "High-Visibility" — Lincoln's "High-Visibility" lens exceeds the Federal specifications for absorptive qualities and shade densities. The "High-Visibility" lens is second only to "Super-Visibility" lens, and then only because of minor irregularities of density or cutting.

Lincoln "Super-Visibility" — The safest, most desirable protective welding lens available is the Lincoln "Super-Visibility". Laboratory tests and extensive field usage show that this lens affords maximum eye protection and minimum eye strain.

Both the Lincoln "Super-Visibility" lens and the "High-Visibility" lens are available in standard shades, from No. 4 to No. 14. No. 10 is recommended for normal metallic arc welding; No. 12 for carbon-arc and heavy metallic arc work. Standard size of lens is 2" x 4 1/4".

"Non-Spatter" Cover Glass — A chemically treated glass that protects the lens yet allows greatest visibility. Spatter does not adhere to this special type glass. Lasts five to ten times longer than ordinary glass, affords equal visibility yet does not scratch readily. A soft cloth should be used for cleaning. Standard size of glass 2" x 4 1/4".

Plain Cover Glass — Where conditions do not require a high quality cover glass, Lincoln's plain cover glass may be used. This glass is clear, free from waves or blemishes. Standard size of glass is 2" x 4 1/4".

BATTERY CHARGING ATTACHMENT

For charging of automobile batteries. Simple to operate. Plugs directly into welder. Can weld and charge batteries at same time. For use with LINCWELDER 60, AC-180-K and AC-180-T.

Full details on Lincoln accessories are available in Bulletin 467.

THE LINCOLN ELECTRIC COMPANY

The World's Largest Manufacturer of Arc Welding Equipment
CLEVELAND 17, OHIO